

WHAT IS CLAIMED IS:

1. A white LED device, comprising:
 - a member,
 - a plurality of LEDs, fixed on the member, the LEDs further comprising blue GaN LEDs,
 - a reflector, in parabolic shape, to encase the member and the plurality of LEDs,
 - yellow phosphor, coated on the surface of the reflector facing the LEDs, and
 - a supporting component, for connecting the member and the reflector in order to connect the LEDs, the member and the reflector together,wherein the LEDs emit blue light when positively biased, the blue light stimulating the yellow phosphor to generate yellow light, the blue light mixed with the yellow light to become a white light, the white light reflected by the reflector to project onto target objects.
2. The device as claimed in Claim 1, wherein the LEDs further comprises blue GaN LEDs, green GaN LEDs, and red AlGaAs LEDs.
3. The device as claimed in Claim 1, wherein the yellow phosphor is coated on a transparent film attached to the reflector.
4. The device as claimed in Claim 1, wherein the reflector is coated with the yellow phosphor by spin-coating, sputtering, printing, or other similar methods.